ABSTRACT

An optical fiber setting adequacy evaluation unit is disclosed for evaluating a setting adequacy on a body surface in an inspection area of irradiation use optical fibers. The evaluation unit can also be used for setting the accuracy of light receiving use optical fibers at both ends of respective measurement channels in an optical measurement apparatus for living body. The evaluation unit evaluates the setting adequacy on the body surface of a subject of the irradiation use optical fibers or of light receiving use optical fibers for the respective measurement channels. The evaluation is performed based on pulse wave intensities of the respective measurement channels calculated by a pulse wave calculation unit. The pulse wave calculation unit calculates the intensities of the pulse wave due to heartbeats of a subject contained in hemoglobin signals of the respective measurement channels calculated by a hemoglobin signal calculation unit, thereby allowing the setting adequacy to be correctly judged.